

EDUCATION

Institute of Technical Education and Research (ITER), SOA University

Expected 2028

Bachelor of Technology (B.Tech) in Computer Science & Engineering

CGPA: 8.0 / 10.0

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL, HTML, CSS

AI & Machine Learning: NLP, AI Agents, Reinforcement Learning, ML

Backend Frameworks: FastAPI, Flask, Node.js, Django

Frontend & Design: React, Next.js, Tailwind CSS

Tools & Databases: Git, GitHub, Docker, PostgreSQL, SQLite

PROJECTS

- PRAMANIKA

Python, FastAPI, Next.js, TS, PyTorch, spaCy, scikit-learn

2026
- AI-Powered Publication Title Admissibility & Verification System
- Architected and built an 8-layer AI verification pipeline aligned with the Press Registration of Periodicals Act.
  - Implemented semantic similarity algorithms to compare incoming titles against a corpus of 160K+ publications.
  - Integrated rule-based compliance engines, risk classification models, explainable decision trails, and administrative dashboards.
- SAVE (Strategic Agent-Based Victim Evacuation System)

Python, Flask, Streamlit, PyTorch, Twilio, OpenStreetMap

2026
- AI-Coordinated Disaster Response Platform
- Engineered an agent-based model simulating and coordinating victims, hospitals, evacuation routes, and response units.
  - Applied reinforcement learning algorithms to dynamically allocate hospital resources and optimize routes under disaster constraints.
  - Integrated GIS visualization with OpenStreetMap and automated voice alerts/updates via Twilio API.
- SafeChoice

Node.js, JavaScript, REST APIs

2026
- Restaurant Trust Index & Compliance Intelligence
- Created a consumer safety application aggregating restaurant regulatory compliance signals and user reports.
  - Designed a scoring system to map diverse signals into a standardized trust rating, boosting compliance transparency.
  - Built a robust reporting backend and an administrative dashboard to manage user complaint tracking and reviewer checks.

LEADERSHIP & EXTRA-CURRICULARS

- Operations Team Member**, Innovation and Entrepreneurship Cell — Supported campus-wide entrepreneurial initiatives, cohort events, and innovation programs.
- Operations Team Member**, GeeksforGeeks Student Chapter — Orchestrated community and technical workshops.
- Active Participant / Competitor:**
  - IIT Bhubaneswar *Pravaah*
  - Silicon University *Nirman*
  - XIM Innovation Challenge
  - Multiple online & offline hackathons, focusing on rapid prototyping of AI/full-stack solutions.